

**METHOD AND APPARATUS FOR PROFILING POWER PERFORMANCE
OF SOFTWARE APPLICATIONS**

ABSTRACT

Techniques for profiling systems, such as mobile or embedded devices, are provided. The techniques can profile code executing on these systems based on power used by that code. The system may profile power usage for the entire system or a subsystem, component, or functional unit thereof, for example. The system may determine when a specified amount of power has been used, and a performance sampler may then temporarily stop execution of the code and sample state data. This sampled state data may be provided to a performance analyzer that determines performance of the executing code.